

Amendments to the Claims

1. *(Currently Amended)* Voltage converter comprising:

- an inductive circuit (~~L~~) for storing energy during an inductive magnetizing mode and transferring energy during an inductive de-magnetizing mode;
- at least two non-inverting branches (~~12,13,14~~) for providing at least two non-inverted output voltages (~~V_a,V_b,V_e~~); and
- an inverting branch (~~15~~) for providing an inverted output voltage; the inverting (~~15~~) and non-inverting (~~12,13,14~~) branches being parallelly coupled to an output (~~10~~) of the inductive circuit (~~L~~); the inductive circuit being arranged to transfer energy to the inverting branch (~~15~~) and to one of the at least two non-inverting branches (~~12,13,14~~), wherein the inverted voltage (~~V_{inv}~~) and the corresponding non-inverted output voltage (~~V_a,V_b,V_e~~) of the one of the at least two non-inverting branches (~~12,13,14~~) are having an opposite polarity and a substantially equal magnitude.

2. *(Currently Amended)* Voltage converter according to claim 1, wherein the inverting branch (~~15~~) comprises a capacitive circuit (~~C_{pump}~~) for storing the energy that is transferred during the inductive de-magnetizing mode and for releasing the transferred energy during the inductive magnetizing mode.

3. *(Currently Amended)* Voltage converter according to claim 2, wherein the capacitive circuit (~~C_{pump}~~) is arranged to receive the transferred energy through an input (~~In~~) of the capacitive circuit (~~C_{pump}~~) while an output of the capacitive circuit (~~Out~~) is coupled to a ground voltage (~~GND~~) and wherein the capacitive circuit (~~C_{pump}~~) is further being arranged to release energy through the output (~~Out~~) while the input (~~In~~) is coupled to the ground voltage (~~GND~~).

4. *(Currently Amended)* Voltage converter according to claim 3, comprising first and second switch devices for respectively coupling the input (~~In~~) and the output (~~Out~~) of the capacitive circuit to the ground voltage (~~GND~~) during respectively the inductive magnetizing and de-magnetizing mode.

5. *(Currently Amended)* Voltage converter according to claim 1, wherein the voltage converter further comprises a voltage down conversion circuit ~~(80)~~ through which an input voltage (V_i) is applied to the inductive circuit (L).

6. *(Currently Amended)* A voltage converter according to claim 5, wherein the voltage down-conversion circuit ~~(80)~~ comprises third and fourth switch devices ~~(S3, S4)~~ for alternately applying the input voltage (V_i) and a ground voltage (GND) to the inductive circuit (L).

7. *(Currently Amended)* A voltage converter according to claim 1, wherein at least one of the at least two branches ~~(12, 13, 14)~~ comprises a further switch device ~~(S5, S6)~~ for activating the branch.

8. *(Currently Amended)* A voltage converter according to ~~each one of the previous claims~~ claim 1, wherein the voltage converter further comprises control means ~~(82)~~ for controlling the switch devices.

9. *(Currently Amended)* A power management unit comprising a voltage converter according to ~~each one of the previous claims~~ claim 1.

10. *(Original)* A mobile device comprising a power unit according to claim 7.